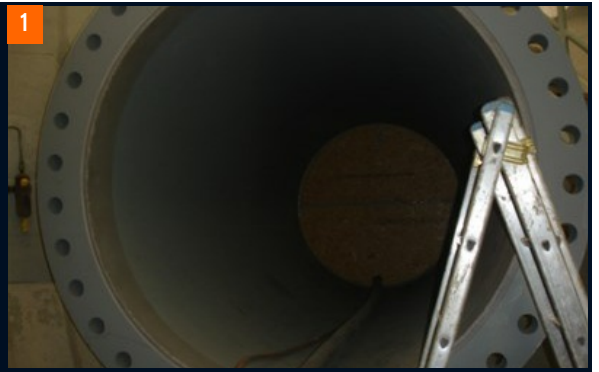


CORRODED FLANGE GROOVES REFORMED WITH BELZONA

ID: 4182



PROBLEM

Corrosion leading to incorrect sealing of mating surfaces

APPLICATION SITUATION

Flange grooves in four pipe flanges. Each flange had a diameter of 1820mm; the grooves were 16mm wide and 3-4mm deep.

APPLICATION METHOD

Application was carried out in accordance with Belzona System Leaflet VPF-1. After grit blasting the groove, Belzona 1111 was packed overthick into the groove and, using a simple pre-cut template, the original profile of the groove was recreated. Finally, a thin layer of Belzona 1321 was applied to create a smoother surface.

BELZONA FACTS

Welding would have taken three to four weeks for two people to complete, a considerable delay in the refurbishment of this hydropower plant. The simple and cold-applied Belzona solution was carried out in just six working days by three people and now ensures long-term corrosion protection of the liner grooves.

INDUSTRY

Power

LOCATION

Hydropower plant, Switzerland

APPLICATION DATE

February 2012

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Steel

PHOTOS

1. General view of the equipment before application
2. A pre-cut template allows for simple, effective defining
3. Belzona 1321 applied for a smoother surface
4. Pressure pipe after re-assembly

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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under an ISO 9001 Registered
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